# RDLED2R8-40Y-TB





Clean, unobtrusive design delivers smooth and abundant light from an aperture just over 1 inch wide. Available in flush trim for a trimless look without the mess left behind from ceiling finishing work.

Color: Black trim Weight: 1.5 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info		
Type:	Constant Current	Watts:	8W	
120V:	0.08A	Color Temp:	3000K	
208V:	N/A	Color Accuracy:	83 CRI	
240V:	N/A	L70 Lifespan:	100000	
277V:	N/A	Lumens:	604	
Input Watts:	9W	Efficacy:	68 LPW	
Efficiency:	90%			

# **Technical Specifications**

### Listings

# **UL Listing:**

Suitable for wet locations in a covered ceiling

#### **ENERGY STAR:**

This product is ENERGY STAR® qualified.

#### IESNA LM79 & LM-80 Testing:

RAB LED luminaries have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

### Construction

#### IC Rating:

Suitable for direct contact with insulation

#### **Trim Component:**

This component can be ordered with New Construction housing in order to make a complete fixture.

# **Ambient Temperature:**

Suitable for use in 55°C ambient temperatures

### **Cold Weather Starting:**

The minimum starting temperature is -40°F/-40°C

#### Lens:

Nanostructure lens eliminates "hot spots", and helps provide smooth, uniform light and higher efficiency

#### Junction Box:

Integral junction box with wiring capacity for Min 60°C supply conductors End of Run

#### Housing:

Specification-grade, die-cast aluminum construction

#### Installation:

Torsion springs easily install into ceiling collar (remodeler) or rough-in (new construction)

#### Trim Ring:

Black powder coated die cast 1/2" trim ring.

# Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

# Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

# **LED Characteristics**

# LED:

High-output, long-life LED with 2-step binning and integrated driver technology

#### Color Consistency:

2-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

### **Color Stability:**

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period

#### **Electrical**

### Driver:

Constant Current, Class 2, 120VAC Only, 50/60Hz, 200mA, 0.07A

# **Dimming Driver:**

TRIAC and ELV (at 120V only).

#### Optical

#### Optics:

40° beam spread with specular thermoplastic optics

## **Spacing Criteria:**

0-180° (along): 0.68 90-270° (across): 0.68 diagonal: 0.70

#### Other

# Equivalency:

RDLED 8W is equivalent to 50W MR16

## California Title 24:

RDLED2R8 complies with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for general spaces when used with a vacancy sensor and TRIAC dimming control. Select a vacancy sensor using catalog number LVS800. TRIAC dimmer provided by others.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

### **Country of Origin:**

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

# **Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.



# **Technical Specifications (continued)**

# Other

#### Recovery Act (ARRA) Compliant:

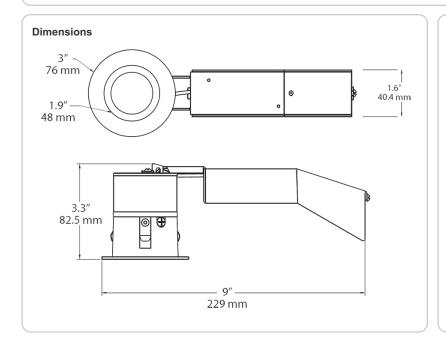
This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010)

# **Trade Agreements Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4



#### **Features**

8W replaces 50W MR16 with energy savings of 82%

TRIAC dimmer compatibility for additional light control

Precision-engineered optics deliver smooth light without hot spots or glare

rdering Matri	ix							
Family	Size	Shape	Watts	Beam Spread	Color Temp	CRI	Туре	Finish
RDLED								
	<b>2</b> = 2"	R = Round	<b>8</b> = 8W	20 = 20° 30 = 30° 40 = 40° W = Wall Washer	YY = 2700K (Residential Warm) Y = 3000K (Warm) YN = 3500K (Warm Neutral) N = 4000K (Neutral)	Blank = 82 or 83 CRI HC = 90 CRI	T = 1/2" Trim TL = Trimless Look	<b>B</b> = Black Trim